

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 5 (POINT LOOKOUT ROAD) AT MD 243 (NEWTOWNE NECK ROAD)/MAYPOLE RD. IN ST. MARY'S COUNTY. THE MAINLINE FIVE SECTION EXCLUSIVE/PERMISSIVE SIGNAL HEADS FOR NORTH AND SOUTH BOUND MD 5 SHALL BE REMOVED AND REPLACED WITH 3 SECTION LEFT TURN EXCLUSIVE HEADS. ALL EXISTING SIGNAL HEADS SHALL BE REPLACED WITH NEW LED SIGNAL HEADS. NEW R10-5 LEFT TURN ONLY SIGNS SHALL BE INSTALLED AND THE R10-12 SIGNS SHALL BE REMOVED.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN AN EXISTING BASE MOUNTED CABINET IS INSTALLED AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 6 NEMA PHASES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 841-1019  
MR. MARK COBLENTZ, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (410) 841-1031  
MR. CHUCK E. GEORGE, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 841-1013  
MR. JOHN S. MAYS, DISTRICT UTILITIES ENGINEER  
PHONE: (410) 841-1039  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630  
MR. ROBERT SNYDER, ASSISTANT DIVISION CHIEF OF TOD  
PHONE: (410) 787-7631

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

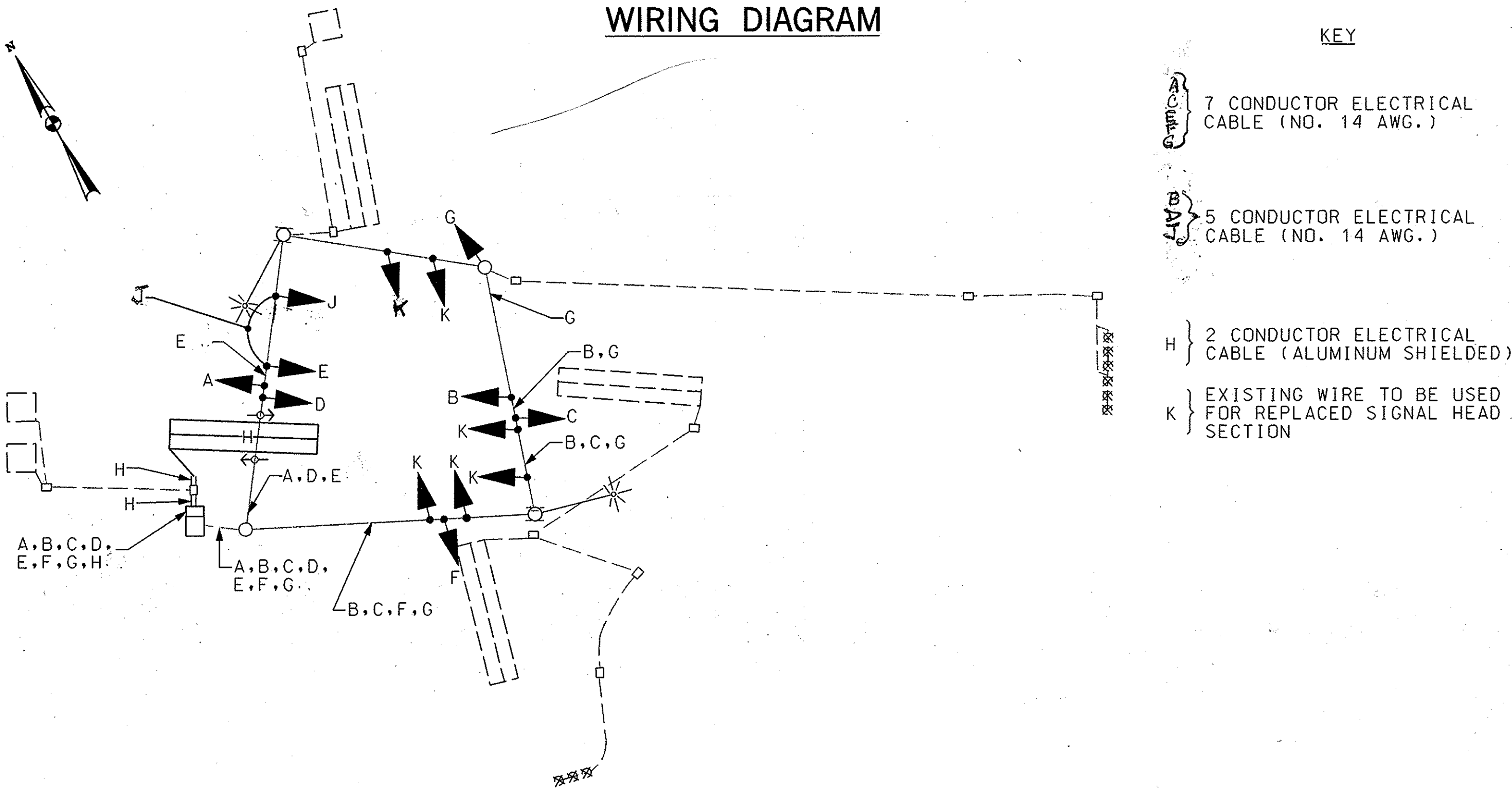
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
9002	NEMA LOAD SWITCH	EA	1
9572	SHEET ALUMINUM SPAN MOUNTED SIGN CONSISTING OF: R10-5 (SPAN WIRE MOUNTED)	SF	15

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
5004	24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE	LF	150
8001	12 INCH LED (R,Y,G) VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	42
8017	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT	EA	1
8028	RELOCATE EXISTING SIGN	SF	16
8036	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	6
8046	INSTALL OVERHEAD SIGN	SF	15
8057	ELECTRICAL CABLE- 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	10
8060	ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 AWG.)	LF	405
8061	ELECTRICAL CABLE- 7 CONDUCTOR (NO. 14 AWG.)	LF	1040
8062	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG.)	LF	500
8063	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	155

C. ALL EXISTING MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	←R- ←Y- ←G-	←R- ←Y- ←G-	R Y G	R Y G	←R- ←Y- ←G-	←R- ←Y- ←G-	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G
PHASE 1 AND 5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1' AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R
1 AND 6 CHANGE	←R-	←R-	R	R	←Y-	←Y-	Y	Y	R	R	R	R	R	R
PHASE 2 AND 5	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R
2 AND 5 CHANGE	←Y-	←Y-	Y	Y	←R-	←R-	R	R	R	R	R	R	R	R
PHASE 2 AND 6	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	R	R
PHASE 4 AND 8	←R-	←R-	R	R	←R-	←R-	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R
PRE-EMPTION														
PRE-EMPTION 1 PHASE 1 AND 6	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R
PRE-EMPTION CLEARANCE 1 AND 6 CHANGE	←R-	←R-	R	R	←Y-	←Y-	Y	Y	R	R	R	R	R	R
PRE-EMPTION 2 PHASE 2 AND 5	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R
PRE-EMPTION CLEARANCE 2 AND 5 CHANGE	←Y-	←Y-	Y	Y	←R-	←R-	R	R	R	R	R	R	R	R
PHASE 2 AND 6 NORMAL OPERATION	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 5 (POINT LOOKOUT RD.)  
AND MD 243  
(NEWTOWNE NECK RD)/MAYPOLE RD.**  
LEONARDTOWN, MD.

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 04/2007 CONTRACT NO. AT3365185

DESIGNED BY J. WOOD COUNTY ST. MARY'S  
DRAWN BY J. WOOD LOGMILE 18000530.22  
CHECKED BY J. WEAVER T.I.M.S. NO. I-039  
F.A.P. NO.  TOD NO.

TS NO. 2537-F DRAWING OF SHEET NO. 2 OF 2

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